

Nucleo-144







USB ST-LINK

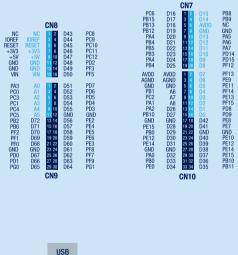
NUCLEO-L4P5ZG

STM32L4P5ZGT6U 144 PINS Arm® Cortex®-M4 core at

- 1024 Kbytes of Flash memory, 320 Kbytes of SRAM
- · Two extension types:

120 MHz

- ST Zio connector including support for ARDUINO® Uno V3
- ST morpho extension pin header footprints for full access to all STM32 I/Os
- USB OTG or FS device user connectivity
- Embedded ST-LINK/V2-1 debugger/programmer



ARDUINO® Uno = A0 to A5 and D0 to D15 ST Zio = A6 to A8 and D16 to D72

ST part number: NUCLEO-L4P5ZG

www.st.com/stm32nucleo



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STM32 Nucleo-144 for STM32L4P5 ultra-low-power MCUs

GETTING STARTED

- 1/ Check jumper positions on board, JP1 (PWR-EXT) off, JP6 (Power source) on STLK side, JP5 (IDD) on.
- 2/ Connect the STM32 Nucleo board to a PC with a USB cable Type-A to Micro-B through USB connector CN1 to power the board. Then the green LED LD6 (PWR) and the LED LD4 (COM) light up, the two LEDs LD1 and LD2 are off, the red LED LD3 blinks.
- 3/ Press user button B1 (left button).
- 4/ Observe how the blinking of three LEDs LD1 to LD3 changes according to clicks on button B1.
- 5/ The demo software and several software examples that allow you to use the STM32 Nucleo features are available at www.st.com/en/product/nucleo-I4p5zq
- 6/ Develop your own applications using available examples.

SYSTEM REQUIREMENTS

- Windows® OS (7, 8 and 10), Linux® 64-bit or macOS®
- USB Type-A to Micro-B cable

DEVELOPMENT TOOLCHAINS

- Keil[®] MDK-ARM¹
- IARTM EWARM¹
- GCC-based IDEs
- 1 On Windows® only

EMBEDDED SOFTWARE

STM32CubeL4 MCU Package featuring drivers, RTOS, file system, USB, graphics and examples for this board.

By using or installing (as applicable) this evaluation kit you accept all the terms of the EVALUATION LICENCE AGREEMENT available at: www.st.com/epla





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